

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/GB2004/050027	International filing date (day/month/year) 18/11/2004	(Earliest) Priority Date (day/month/year) 19/11/2003
Applicant MIDDLESEX SILVER CO. LIMITED		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☒ none of the figures is to be published with the abstract.

IPC 7 B23K35/30 C22C5/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B23K C22C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 06, 30 April 1998 (1998-04-30) & JP 10 029087 A (TANAKA KIKINZOKU KOGYO KK), 3 February 1998 (1998-02-03) abstract; table 4	1-4, 7, 10
X	PATENT ABSTRACTS OF JAPAN vol. 017, no. 191 (M-1396), 14 April 1993 (1993-04-14) & JP 04 339590 A (CITIZEN WATCH CO LTD), 26 November 1992 (1992-11-26) abstract; tables 1,2	1-4, 7, 10
X	US 4 242 134 A (D'SILVA, THOMAS L) 30 December 1980 (1980-12-30) column 1, line 55 - column 2, line 58 ----- -/--	1-4

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

7 April 2005

Date of mailing of the international search report

14/04/2005

Name and mailing address of the ISA

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Fax: (+31-70) 340-3016

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 078 711 A (BRAZETEC GMBH) 28 February 2001 (2001-02-28) the whole document	1-10
A	EP 0 729 398 B (JOHNS, PETER GAMON) 25 February 1998 (1998-02-25) cited in the application the whole document	1-20

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
JP 10029087	A	03-02-1998	NONE		
JP 04339590	A	26-11-1992	JP	3064042 B2	12-07-2000
US 4242134	A	30-12-1980	NONE		
EP 1078711	A	28-02-2001	DE	19940115 A1	01-03-2001
			EP	1078711 A1	28-02-2001
			JP	2001087889 A	03-04-2001
			NZ	506379 A	21-12-2001
			PL	342107 A1	26-02-2001
			TW	528637 B	21-04-2003
			ZA	200004336 A	27-02-2001
EP 0729398	B	04-09-1996	GB	2283933 A	24-05-1995
			AU	682734 B2	16-10-1997
			AU	1032095 A	06-06-1995
			DE	69408689 D1	02-04-1998
			DE	69408689 T2	18-06-1998
			DK	729398 T3	23-12-2002
			EP	0729398 A1	04-09-1996
			FI	962115 A	17-05-1996
			LV	11599 A ,B	20-12-1996
			RU	2124973 C1	20-01-1999
			AT	163382 T	15-03-1998
			CA	2176919 A1	26-05-1995
			ES	2112633 T3	01-04-1998
			WO	9513900 A1	26-05-1995
			GB	2283934 A ,B	24-05-1995

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B23K35/30 C22C5/06

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EP 1078711	A	28-02-2001	DE 19940115 A1 EP 1078711 A1 JP 2001087889 A NZ 506379 A PL 342107 A1 TW 528637 B ZA 200004336 A	01-03-2001 28-02-2001 03-04-2001 21-12-2001 26-02-2001 21-04-2003 27-02-2001
EP 0729398	B	04-09-1996	GB 2283933 A AU 682734 B2 AU 1032095 A DE 69408689 D1 DE 69408689 T2 DK 729398 T3 EP 0729398 A1 FI 962115 A LV 11599 A ,B RU 2124973 C1 AT 163382 T CA 2176919 A1 ES 2112633 T3 WO 9513900 A1 GB 2283934 A ,B	24-05-1995 16-10-1997 06-06-1995 02-04-1998 18-06-1998 23-12-2002 04-09-1996 17-05-1996 20-12-1996 20-01-1999 15-03-1998 26-05-1995 01-04-1998 26-05-1995 24-05-1995